

Message

From: Kesler, Karen [Kesler.Karen@epa.gov]
Sent: 5/7/2021 8:05:30 PM
To: Beaman, Joe [Beaman.Joe@epa.gov]; Fleisig, Erica [Fleisig.Erica@epa.gov]
Subject: RE: Comments on QAPP
Attachments: QualityAssuranceProjectPlan_2021Water_Column_SeleniumandMercury_DRAFT.pdf

Hi Joe,

Thanks for sending your comments around. I looked through them and agree with your comments. Overall I think NDDEQ needs to make this more specific for the actual purpose of selenium sampling. This seems more like their normal monitoring QAPP and they have just added a few comments in here and there about sampling selenium.

In our discussion with them I think we need to address a couple of things:

1. Clear statement of goals of the sampling and discussion of what type of criterion value can be generated from this data (only a water column value for ecoregion 46 – not the whole state)
2. Representativeness of the sampling sites for the ecoregion
 - a. Order of streams being sampled?
 - b. Any stream types that may be missed?
 - c. Any lake types that may be missed?
 - d. Should any additional sites be added along with the typical monitoring sites to represent broader variability of selenium exposure throughout the ecoregion?
3. Target species (to actually target specific species for collection rather than sampling opportunistically)
 - a. Discuss impact of spawning on sampling
4. Number of species collected per site
5. Number of fish in each composite
6. Where water samples are being collected in lakes and how
7. Data analysis

Also, just in response to your question, I do believe 200.8 is the standard EPA method for selenium in water. I think 200.9 can be used as well.

I've attached my comments as well. I think we are pretty much in line, so I don't know that we need to have a meeting before hand, but I am flexible if you would like to touch base.

Thanks,
Karen

Karen Kesler, PhD
Office of Science and Technology
U.S. Environmental Protection Agency
Washington, DC
202-564-4612

From: Beaman, Joe <Beaman.Joe@epa.gov>
Sent: Friday, May 7, 2021 1:19 PM
To: Kesler, Karen <Kesler.Karen@epa.gov>; Fleisig, Erica <Fleisig.Erica@epa.gov>
Subject: Comments on QAPP

Erica and Karen,

See attached comments on NDDEQ QAPP for selenium and mercury fish tissue and water monitoring project.

I had a lot of comments, with most specific to more clearly communicating the goals of the project, and how to relate the DQO's and other QA/QC aspects more specifically to the overall project goal.

NDDEQ verbally stated that this monitoring could be used to support SE values for development of WQC, but this is lacking in the QAPP.

With respect to the actual QA/QC aspects to tissue and water monitoring, I did not have as many comments.

Let me know if we need to discuss these prior to our meeting with NDDEQ as I do not want to "drop" these on NDDEQ without explanation.

Thanks,

Joe